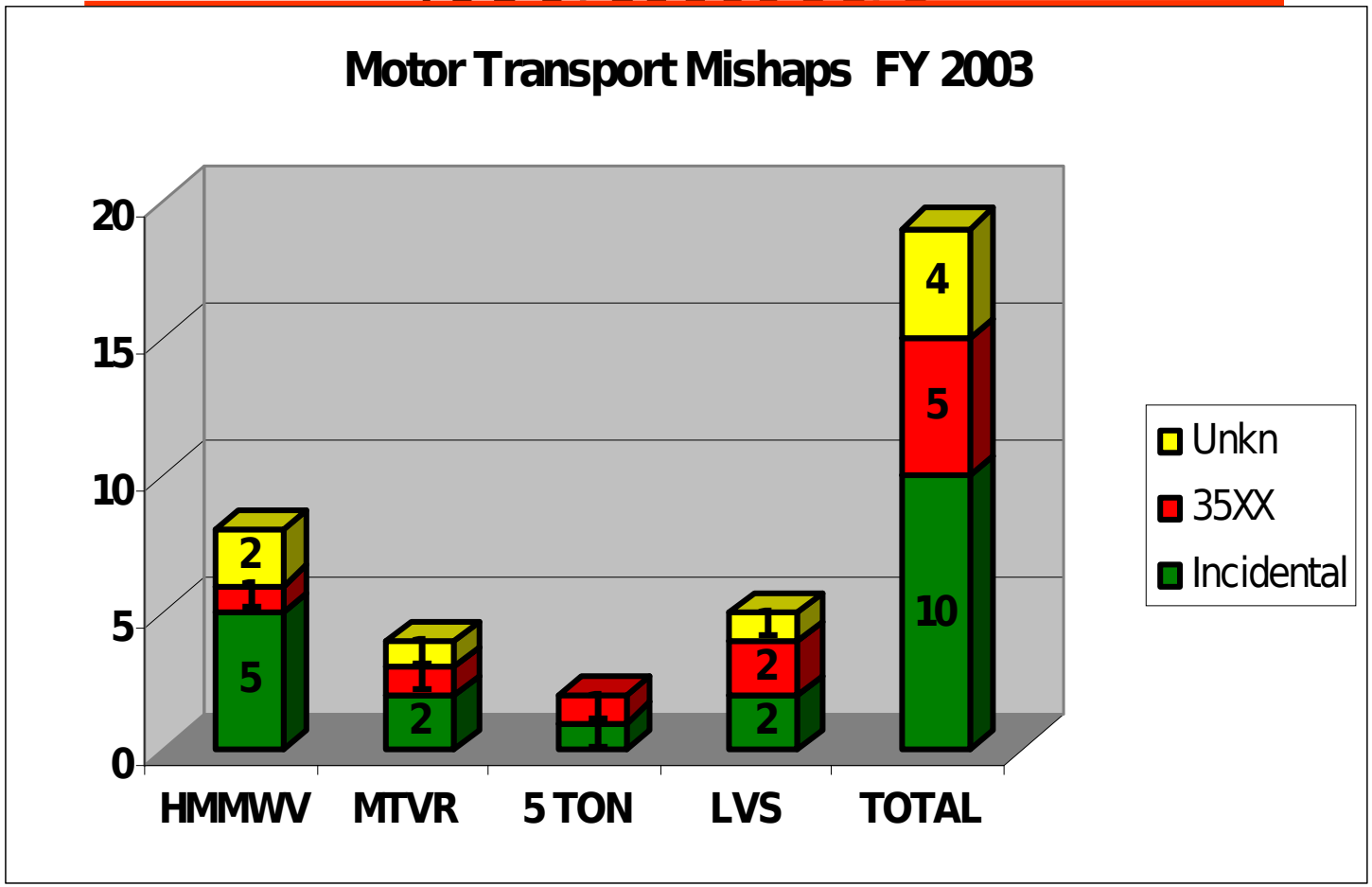
Incidental Drivers Training

Tactical Vehicle Mishaps



Unknowns are from OIF where the MOS of the operator was not recorded in the accident report.

Does not include Mishaps involving Combat or Engineer Vehicles

PROVIDE RECOMMENDATIONS ON IMPROVI INCIDENTAL DRIVERS TRAINING.

Recommendation 1. Standardize incidental drivers training.

Actions taken to date:

1. Sponsorship for the licensing manual, TM 11240-15\3D Motor Vehicle Licensing Official's Handbook, was transferred from SYSCOM to TECOM in order to incorporate training standards.

2. The licensing manual was revised to use actual miles driven as the unit of measure vice hours. All Marines receiving Tactical Vehicle Operators Licenses will be required to operate the vehicle for the same distance under instruction regardless of location.

3. MCCSSS Camp Johnson has developed training standards for License Examiners and has included these standards in the training offered during the Motor Transport Career Course.

4. MARDET Fort Leonard Wood is placing lesson plans on the web for Division/Wing/FSSG Driver's School use.

Driving Requirements

TRAINING MILEAGE REQUIREMENT	
REQUIRED MILES	**ROAD TRAINING**
75	DAYLIGHT/ON BASE/ON ROAD
75	DAYLIGHT/OFF BASE/ON ROAD
35	DAYLIGHT/ON BASE/OFF ROAD
55	DARK/ON BASE/ON ROAD
10	BLACK OUT/ON BASE/OFF ROAD
250	TOTAL REQUIRED MILES

PROVIDE RECOMMENDATIONS ON IMPROVING INCIDENTAL DRIVERS TRAINING.

Recommendation 1. Standardize incidental drivers training.

Actions taken to date:

1. Sponsorship for the licensing manual, TM 11240-15\3D Motor Vehicle Licensing Official's Handbook, was transferred from SYSCOM to TECOM in order to incorporate training standards.

2. The licensing manual was revised to use actual miles driven as the unit of measure vice hours. All Marines receiving Tactical Vehicle Operators Licenses will be required to operate the vehicle for the same distance under instruction regardless of location.

3. MCCSSS Camp Johnson has developed training standards for License Examiners and has included these standards in the training offered during the Motor Transport Career Course.

4. MARDET Fort Leonard Wood is placing lesson plans on the web for Division/Wing/FSSG Driver's School use.

SKILL AND ROAD TEST SHEET — **SKILL TEST**

NAVMC 10965 REV. (1 - 88) SN:0109-LF-064-7900 Superceedes NAVFAC Forms 9-11240/11 and 9-11240/12, and NAVEXOS 1974 for USMC use.

NAME _____ **DATE** _____

INSTRUCTIONS

1. Applicant must pass all tests.
2. Test No. 2 must be taken in largest vehicle for which qualification is sought.
3. Other tests may be taken in any vehicle up to and including the largest vehicle.
4. License Examiner should ride with applicant in Test No. 3.
5. Numbers to the left of operator faults indicate number of points off for each occurrence.
6. Detailed testing instructions are contained in Licensing Officials Handbook Chapter 4.

SUMMARY

PASS _____ FAIL _____

Failed Test No. _____)

TEST NO. 1 Driving on a straight line 100 Ft.

FORWARD FAILS TO:	Pts Off
1 Operate vehicle smoothly	
2 Keep wheel touching line	
2 Move vehicle continuously (no stops)	
2 Stop smoothly at end of 100 Ft.	
1 Maintain acceptable RPM's	
1 Shift gears smothly	
1 Keep engine from stalling	
BACKWARD FAILS TO:	
1 Operate vehicle smoothly	
2 Keep wheel touching line	
2 Move vehicle continuously (no stops)	
1 Keep door closed entire distance	
2 Stop smoothly at end of 100 Ft.	
1 Maintain acceptable RPM's	
1 Keep engine from stalling	
20-16 PASS	
15-0 FAIL Total Score:	

TEST NO. 2 Guaging space when steering in close limits

FORWARD:	
2 Stanchions touched forward	
2 Limit lines touched forward	
BACKWARD:	
2 Stanchions touched backward	
2 Limit lines touched backward	
20-16 PASS	
15-0 FAIL Total Score:	

TEST NO. 3 Smoth stop in 40 Ft. from 40 MPH

	Pts Off
1 Uneven speed through approach	
2 Jerks vehicle or steers uncertainly	
5 Hits stanchion (left or right)	
5 Stops abruptly or jerkily	
2 Stops short of line	
5 Front bumper crosses line	
20-16 Pass	
15-0 FAIL Total Score:	

TEST NO. 4 Backing up to a dock.

	Pts Off
1 Fails to sound horn	
3 Hits dock	
2 Parks with NEAR side of vehicle further than 6" from dock	
2 Parks with FAR side of vehicle further than 24" from dock	
20-16 Pass	
15-0 Fail Total Score:	

REMARKS:

License Examiners Signature

TEST NO. 5 Preventive Maintenance Checks and Services

TM Used:	Located In TM	Located On Vehicle
1 Exterior of Vehicle		
1 Tires		
1 Exhaust System		
1 Air Intake System		
1 Fuel Filter		
1 Batteries		
1 Underbody		
1 Frames		
1 Fuel System		
1 Surge Tank		
1 Engine Oil Level		
1 Drive Belts		
1 Engine Operation		
1 Instruments		
1 Brake System		
1 Power Steering Pump		
1 Transmission		
1 Transfer Case		
1 Differentials		
1 Hubs		
20-16 PASS		
15-0 FAIL	Total Score:	

ITS 3531

3531.01.02 Operate M series vehicle on road

3531.02.01 Perform preventive maintenance checks and services on M series vehicle

ROAD TEST

DATE:

EXAMINER:

**FINAL SCORE = 100 - = **

VEHICLE TYPE:

SUMMARY

PASS _____ FAIL _____

Failed Test No. _____)

INSTRUCTIONS:

1. Road test course to be approximately 5 miles long and include at least 80% of specified situations
2. Examiner rides with applicant during test observing performance and placing tally marks in front of each error made.
3. Number to the left of faults indicate number of points off for each occurrence.
4. Perfect score is 100. Subtract total points from 100 to determine final score. Minimum passing grade is final score of 80%.
5. Detailed testing instructions are contained in Lisencing Officials Handbook Chapter 4.

CHECK BEFORE OPERATION

FAILS TO:

~1 _____ Inspect Tires
~1 _____ Use Curbside Door (If Practicable)
~1 _____ Adjust Seat
~1 _____ Adjust Mirror
~1 _____ Sound Horn
~1 _____ Check Head and Tail Lights
~1 _____ Check Stop Lights
~1 _____ Test Foot Brake
~1 _____ Test Hand Brakes
~1 _____ Check Doors for Proper Closing

STARTING MOTOR

FAILS TO:

~1 _____ Disengage Clutch and Gears
~1 _____ Warm Motor Properly
~1 _____ Test Windshield Wiper

LEAVING CURB

FAILS TO:

~2 _____ Look Back And Check Traffic Conditions
~2 _____ Give Proper Signal
~2 _____ Wait For Passing Traffic
~1 _____ Release Hand Brake
~1 _____ Make Smooth Start

SPEED

~3 _____ Exceeds Speed Limit
~3 _____ Too Fast For Conditions
~3 _____ Too Slow For Conditions
~3 _____ Erratic / Varies Speed Too Much

REMARKS:

TURNS

~2 _____ From Wrong Lane
~2 _____ Into Wrong Lane
~2 _____ Cuts Corner
~2 _____ Too Wide or Swerves
~2 _____ Too Fast
~2 _____ Without Proper Signal

OVERTAKING / PASSING

~3 _____ Follows Too Closely
~2 _____ Fails To Signal (Hand, Lights, Horn)
~2 _____ Cuts In Too Soon
~2 _____ Passes In Intersection
~2 _____ Passes On Hill, Curve, Etc.

RAILROAD CROSSINGS

FAILS TO:

~2 _____ Stop Where Required
~2 _____ Look Both Ways
~2 _____ Slow Down And Listen
~2 _____ Select Proper Gear Before Crossing

PARKING

FAILS TO:

~1 _____ Give Proper Signal
~1 _____ Park Within Two Backings
~1 _____ Avoid Rubbing Curb
~1 _____ Avoid Hitting Vehicle Or Stanchion
~1 _____ Set Hand Brake
~1 _____ Park Within 12 Inches Of Curb
~2 _____ Align Properly With Loading Dock

LICENSE EXAMINERS SIGNATURE

USE OF CONTROLS

~1 _____ Rides Clutch
~1 _____ Clashes or Selects Wrong Gear
~1 _____ Both Hands Not on Wheel
~1 _____ Races or Stalls Engine
~1 _____ Slips Clutch To Hold Vehicle
~1 _____ In Gear Clutch Depressed at Traffic Light

SLOWING OR STOPING

FAILS TO:

~2 _____ Give Proper Signal
~2 _____ Look In Mirror
~2 _____ Stop Smoothly
~2 _____ Make Full Stop. In Proper Position. At Stop Signs
~1 _____ Slow Down By Compression

BACKING

FAILS TO:

~2 _____ Look Behind Vehicles First
~2 _____ Back Slowly (Sound Horn)
~1 _____ Back Smoothly
~1 _____ Use A Guide If Necessary

ATTENTION

FAILS TO:

~2 _____ Anticipate Actions Of Other Drivers Or Pedestrians
~2 _____ Keep Attention On Driving
~2 _____ Limit Talking To A Minimum
~2 _____ Drive In Proper Lane
~2 _____ Observe Sign Or Signal

ATTITUDE

~3 _____ Depends On Others For Safety
~3 _____ Insists On Legal Right Of Way
~3 _____ Unnecessary Horn Blowing
~3 _____ Fails To Yield Right Of Way To Pedestrians
~3 _____ Fails To Yield Right Of Way To Other Vehicles
~3 _____ Overconfidence Or Cockiness
~3 _____ Timidity Or Lack Of Assurance

PROVIDE RECOMMENDATIONS ON IMPROVI INCIDENTAL DRIVERS TRAINING.

Recommendation 1. Standardize incidental drivers training.

Current Projects:

1. TECOM is in the process of publishing a Marine Corps Order for Motor Transport Operator policy that will include individual training standards for incidental drivers. These standards will mirror formal school standards as much as possible.

2. TECOM is developing a Distance Learning product, which will make the Tactical Vehicle Operator Course classroom portion available to all Marines. This web-based multi-media product will be resident on MarineNet and on CD. The instruction will be identical to that taught at Fort Leonard Wood and is sufficiently flexible for units to add specific mission or geographically related instruction. Safety and scenario driven instruction has been incorporated into all lessons.

PROVIDE RECOMMENDATIONS ON IMPROVIN INCIDENTAL DRIVERS TRAINING.

Recommendation 2. Standardize convoy briefs. Units that conduct convoy briefs, practice traffic control measures, and have high maintenance usually have good accident records.

Action Taken. TECOM is in the process of publishing a Marine Corps Order for Motor Transport Operator policy that will include a standard convoy brief.

Recommendation 3. Field Motor Transport Vehicle Simulators. Simulators at Bases and Stations would be an effective resource in incidental driver's training. Specific accident scenarios can be programmed into the simulator to provide focused training.

Recommendation 4. Utilize current technology in making fitness for duty determinations in high risk situations. Dispatchers would use a Breathalyzer in situations identified by unit commanders as being high risk (early morning runs after liberty periods or runs during liberty periods).

Action Taken. Two different types of breathalyzers are being purchased to support a test. The winner, PAS Sentry, is being fielded to all formal schools with a dispatch capability.

Recommendation 5. That commanders conduct new join orientation training before drivers are permitted to operate independently. An experienced driver will accompany new joins until they have been approved for independent driving by the command

TYPE	LOCATION			
LIMITED MOTION	FORT LEONARD WOOD (MT Operator School) 24	CAMP J OHNSON (MT mech School) 4	CAMP COURTNEY (Left side Dr's Trng) 4	DETROIT MI (PM MT) 1
FULL MOTION	FORT LEONARD WOOD (MT Operator School) 8			DETROIT MI (PM MT) 1

LIMITED MOTION – Has full controls/instrumentation of an MTVR. Posses a vibratory capability. Cost of $290K each, comes in "Pod" of 4 with a control setup costing an additional $55K.

FULL MOTION - Has full controls/instrumentation of an MTVR. Mounted on a hydraulic motion pedestal. Cost $300K each, comes in "Pod" of 4 with a control setup costing an additional $55K.

PROVIDE RECOMMENDATIONS ON IMPROVIN INCIDENTAL DRIVERS TRAINING.

Recommendation 2. Standardize convoy briefs. Units that conduct convoy briefs, practice traffic control measures, and have high maintenance usually have good accident records.

Action Taken. TECOM is in the process of publishing a Marine Corps Order for Motor Transport Operator policy that will include a standard convoy brief.

Recommendation 3. Field Motor Transport Vehicle Simulators. Simulators at Bases and Stations would be an effective resource in incidental driver's training. Specific accident scenarios can be programmed into the simulator to provide focused training.

Recommendation 4. Utilize current technology in making fitness for duty determinations in high risk situations. Dispatchers would use a Breathalyzer in situations identified by unit commanders as being high risk (early morning runs after liberty periods or runs during liberty periods).

Action Taken. Two different types of breathalyzers are being purchased to support a test. The winner, PAS Sentry, is being fielded to all formal schools with a dispatch capability.

Recommendation 5. That commanders conduct new join orientation training before drivers are permitted to operate independently. An experienced driver will accompany new joins until they have been approved for independent driving by the command

P.A.S. Sentry

Breath Alcohol Analyzer

The P.A.S. Sentry is a non-invasive breath alcohol analyzer which allows breath alcohol (BrAC) screening of subjects automatically and is designed to enforce zero alcohol tolerance policy in: ASAP's, Alcohol Treatment Center, Corrections (prisons, jails), Probation, Schools, Military, Industry - Work place safety. A platinum electrochemical fuel cell sensor of high alcohol specificity, accuracy and stability assures reliable measurements. The operator-controlled sampling system guarantees accurate detection of alcohol, and is especially suited for quick subsequent measurements.

- Cost Effective - No Mouthpiece
- Audible Alarm
- Visual Prompts
- Color Coded Numeric Display
- Standard AC Power Supply

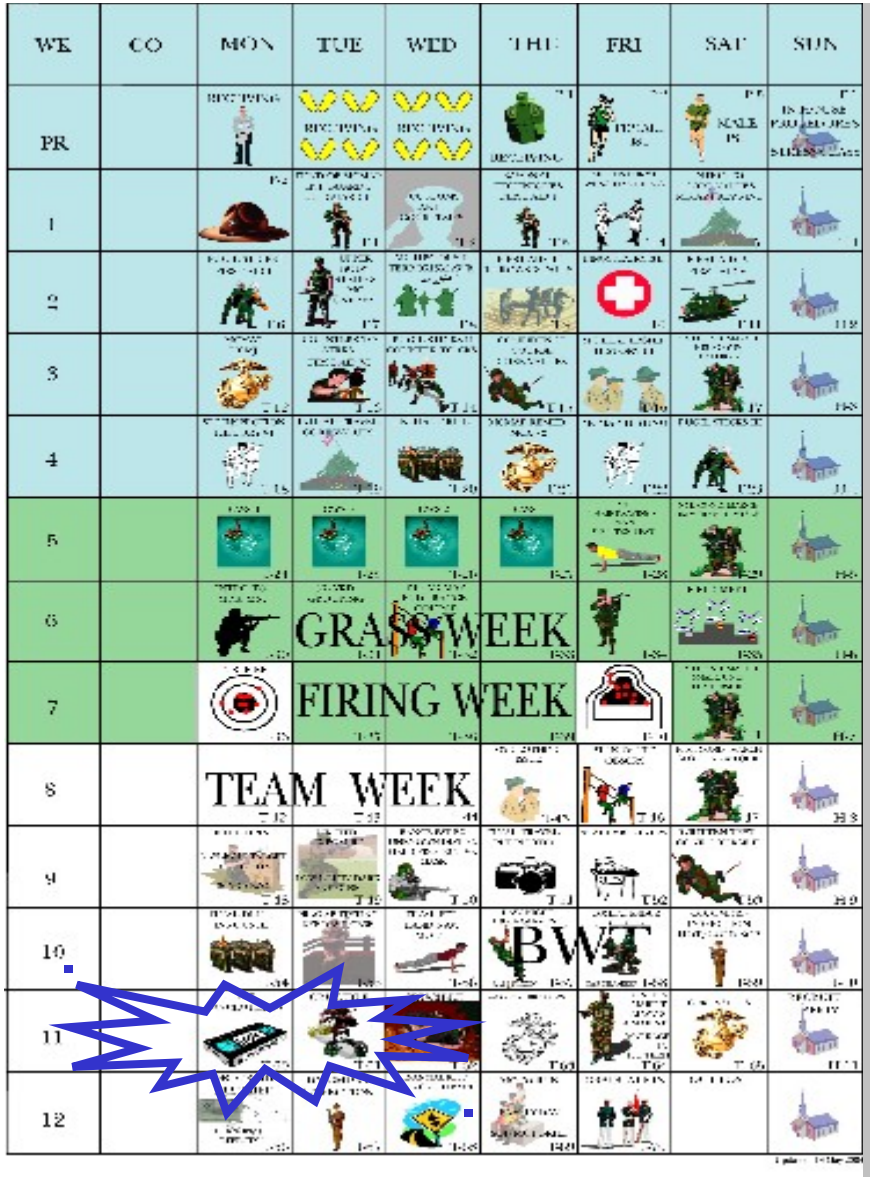
Innovative Wall Mount Design

Passive/Active Sampling

Turn power on, initialize, push button, subject talks or blows and sample is collected and analyzed.

Supporting Fires

- **Defensive Driving Course**
  - Initial Training
    - 99.7% of graduating Marines qualified, over 32,000 since implementation at both MCRDs in Jan 2003
    - Provides Operating Forces with Drive Safe trained Marines
    - **Savings** to Operating Force Commanders in time and training expense

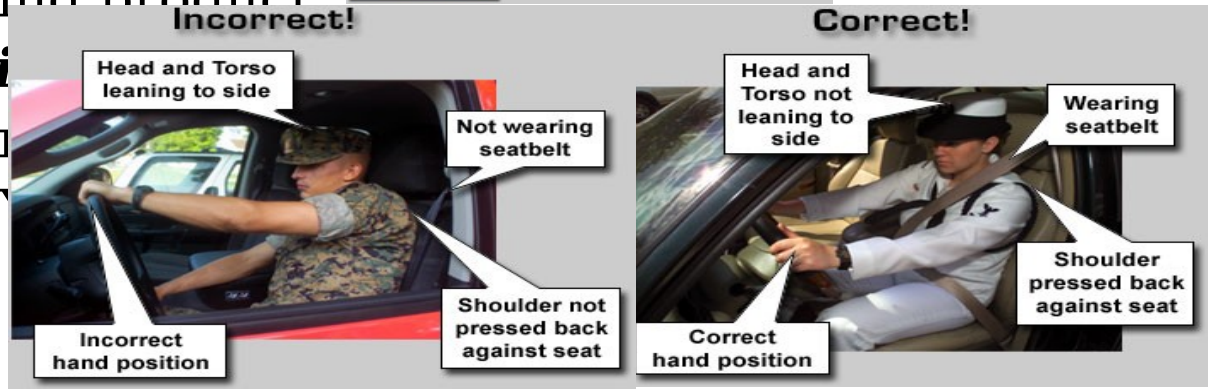


Supporting Fires

–Defensive Driving Course

– Sustainment Training

- Required for remedial training – Marines involved in traffic accidents
- TECOM to release the distance learning product ***Driving for Li*** the requiremer 2nd Quarter F



Supporting Fires

- Distance Learning ORM courses designed to reach three audiences: All Marines, Leadership, and those require to give ORM instruction

MCO 1553.3A, Unit Training Management, contains some comprehensive ORM requirements to include ORA Worksheets for all training events. The intent of the order is to

Sample Risk Management Worksheet

Mission of Task:	Date/Time Groups:	Date Prepared:
Prepare By: Personnel and Position		
Phase of Mission or Task:		

Step 1 Identify Hazard	Step 2 Assess Hazards	Step 3A Develop Controls	Step 3B Residual Risk	Step 4 How to Implement	Step 5A How to Supervise	Step 5B Evaluate
		SAMPLE				

Determine overall mission/task risk level after controls implemented (Circle one):

LOW (L) MODERATE (M) High (H) EXTREMELY HIGH (E) Page ____ of ____